

CLAIMS

1. A transflective type liquid crystal display performing transmission type display and reflection type display and comprising: a plurality of pixels surrounded on a substrate by a plurality of gate electrodes and a plurality of source electrodes arranged perpendicularly to said gate electrodes; a switching element arranged in each pixel and disposed near at an intersection between each gate electrode and each source electrode; and a pixel electrode connected to said switching element,

wherein said pixel electrode comprises a transparent conductive layer and conductive members having a light reflection function and electrically connected to said transparent conductive layer.

2. A transflective type liquid crystal display according to claim 1, wherein said conductive members are directly disposed on said transparent conductive layer.

3. A transflective type liquid crystal display according to claim 1 or 2, wherein an area where said conductive members a reflection display area and the other area is a transmission display area.

4. A transflective type liquid crystal display according to claim 2, wherein said conductive members comprise a plurality of convex or concave members.

5. A transflective type liquid crystal display according to claim 4, wherein said convex or concave

members has each a continuously changing slope surface.

6. A transflective type liquid crystal display according to claim 4, wherein each of said convex or concave members has generally a circle, polygon, bar or string shape.

7. A transflective type liquid crystal display according to claim 6, wherein a pattern of said circles, polygons, bars and strings is a phase separation pattern realized by high polymer block copolymer or the like.

8. A transflective type liquid crystal display according to claim 2, wherein said conductive members are made of conductive material mainly consisting of fine particles of silver, gold or the like.

9. A transflective type liquid crystal display performing transmission type display and reflection type display in each pixel,

wherein a pixel electrode disposed in each pixel is constituted of a transparent conductive layer and conductive members having a light reflection function and electrically connected to said transparent conductive layer.

10. A transflective type liquid crystal display according to claim 9, wherein said conductive members are directly disposed on said transparent conductive layer.

11. A transflective type liquid crystal display according to claim 9 or 10, wherein the transflective

type liquid crystal display has a liquid crystal layer squeezed between a pair of substrates at least one of which is a transparent substrate, and

wherein: said transparent conductive layer is of a flat plate shape; and

a common electrode corresponding to said pixel electrodes is disposed on the substrate different from the substrate on which said conductive layer is disposed.

12. A transflective type liquid crystal display according to claim 10, wherein said conductive members comprise a plurality of convex or concave members.

13. A transflective type liquid crystal display according to claim 12, wherein said convex or concave members has each a continuously changing slope surface.

14. A transflective type liquid crystal display according to claim 10, wherein said convex or concave members are made of conductive material mainly consisting of fine particles of silver, gold or the like having a nano order diameter.

15. A transflective type liquid crystal display performing transmission type display and reflection type display in each pixel,

wherein a pixel electrode disposed in each pixel comprises a flat plate type transparent conductive layer and conductive members having a light reflection function.

16. A transflective type liquid crystal display

according to claim 15, wherein said conductive members are directly disposed on said transparent conductive layer.

17. A transflective type liquid crystal display according to claim 16, wherein the transflective type liquid crystal display has a liquid crystal layer squeezed between a pair of substrates at least one of which is a transparent substrate, and

wherein a common electrode corresponding to said pixel electrodes is disposed on the substrate different from the substrate on which said conductive layer is disposed.

18. A transflective type liquid crystal display according to claim 16, wherein said conductive members comprise a plurality of convex or concave members.

19. A transflective type liquid crystal display according to claim 18, wherein each of said convex or concave members has a continuously changing slope surface.

20. A transflective type liquid crystal display according to claim 16, wherein said convex or concave members are made of conductive material mainly consisting of fine particles of silver, gold or the like having a nano order diameter.